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(54) Title: **ALKENYLSUCCINIC ANHYDRIDE COMPOSITIONS AND METHOD FOR USING THE SAME**

(57) Abstract: The invention relates to an aqueous sizing composition including (a) an emulsion comprising alkenylsuccinic anhydride component containing alkenylsuccinic anhydride particles suspended in an aqueous polymer, and (b) a second component selected from the group consisting of cationic starches, non-ionic starches, anionic starches, water-soluble polymer, water and mixtures thereof, such that the alkenylsuccinic anhydride component is sufficiently dilute to enable the sizing composition to impart useful sizing properties to a fibrous substrate when the sizing composition contacts the fibrous substrate. The invention also relates to fibrous substrates treated with such a composition as well as processes for making and using the composition. In one embodiment, alkylene ketene dimer can be used instead of alkenylsuccinic anhydride.